



Next Generation Science Standards

## Kindergarten

### Overarching Themes

#### **Motion and Stability: Forces and Interactions (K-PS2)**

- a. Push
- b. Pull
- c. The strength of the push or pull influences the results of collisions (K-PS2-2)

#### **Energy (K-PS3)**

- a. What are the effects of sunlight on the Earth's surface? (K-PS3-1)
  - Heat
  - Plant growth
- b. A surface will be warm where the sun hits and cooler where it is in the shade (K-PS3-2)

#### **From Molecules to Organisms (K-LS1)**

- a. What do plants and animals need to survive? (K-LS1-1)
- b. Animals need food to live and grow. (K-LS1-1)
- c. Plants need water and light to live and grow. (K-LS1-1)

#### **Earth's Systems (K-ESS2)**

- a. What is weather? (K-ESS2-1)
- b. What do we see when we see "weather"? (K-ESS2-1)
- c. Can plants and animals make changes to their environment to meet their needs (houses, shelter,...)? (K-ESS2-2)
- d. How do people change their environment to be more comfortable? (K-ESS2-2)

#### **Earth and Human Activity (K-ESS3)**

- a. Living organisms need water, air and nutrients from the land – how do they get these things? (K-ESS3-1)
- b. Sometimes weather can be severe/dangerous – scientists forecast weather to help people prepare for upcoming weather. (K-ESS3-2)
- c. People can impact their environment by living there. How can people reduce the impact of their presence on the land, water, and air? (K-ESS3-3)